



**UTILITY PATENT APPLICATION TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42P17611  
(maximum 12 characters)

First Name Inventor Song-Hua Shi

Title: CHIP BONDING HEATER WITH DIFFERENTIAL HEAT TRANSFER

Express Mail Label No. EV 336 583 385 US

ADDRESS TO: Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  **Fee Transmittal Form (e.g., PTO/SB/17)**  
(Submit an original and a duplicate for fee processing)
2.  **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3.  **Specification (Total Pages 16)**  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  **Drawings(s) (35 USC 113) (Total Sheets 6)**
5.  **Oath or Declaration (Total Pages 3)**
  - a.  Newly Executed (Original or Copy)
  - b.  Copy from a Prior Application (37 CFR 1.63(d))  
(for Continuation/Divisional with Box 18 completed)
    - i.  **DELETIONS OF INVENTOR(S)** Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
    - c.  Unsigned.
6.  **Application Data Sheet. (37 CFR 1.76)**
7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8.  Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b.  Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper

c. \_\_\_\_\_ Statements verifying identity of above copies

### ACCOMPANYING APPLICATION PARTS

9.  **Assignment Papers (c over sheet & documents(s))**  
10.  a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)  
       b. Power of Attorney  
11.  English Translation Document (if applicable)  
12.  a. Information Disclosure Statement (IDS)/PTO-1449 (or PTO/SB/08)  
       b. Copies of IDS Citations  
13.  **Preliminary Amendment**  
14.  **Return Receipt Postcard (MPEP 503) (Should be specifically itemized)**  
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)  
16.  **Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.**  
17A.  Other: \_\_\_\_\_

17B.  Pursuant to 37 C.F.R. 1.136(a)(3), applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 C.F.R. 1.16 and 1.17, to Deposit Account No. 02-2666.

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet Under 37 C.F.R. 1.76:

Continuation       Divisional       Continuation-in-part (CIP)  
Of Prior Application No.: \_\_\_\_\_ Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_  
(which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_,  
which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_) (List entire chain of priority)

**Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority.**  
**For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**

19. Correspondence Address  
Customer Number or Bar Code Label  
or  
here)      (Insert Customer No. or Attach Bar Code Label

Correspondence Address Below  
NAME Michael A. Bernadicou

ADDRESS 12400 Wilshire Boulevard  
Seventh Floor

CITY Los Angeles STATE California ZIP CODE 90025  
Country U.S.A. TELEPHONE (408) 720-8300 FAX (408) 720-8383

Name (PRINT/TYPE): Michael A. Bernadicou Registration No.: 35,934  
Signature: Michael A. Bernadicou Date: 11/19/03

# FEE TRANSMITTAL FOR FY 2004

(FY 2004 Begins 10/01/2003)

**TOTAL AMOUNT OF PAYMENT (\$)** \$824.00

**C mplete if Known:**

Applicati n N . Not yet assigned

Filing Date Herewith

First Named Invent or Song-Hua Shi

Examiner Name Not yet assigned

Art Unit Not yet assigned

Attorney Docket No. 42P17611

Applicant claims small entity status. See 37 CFR 1.27.

**METHOD OF PAYMENT** (check all that apply)

Check  Credit Card  Money Order  Other  None

Deposit Account

Deposit Account Number : 02-2666

Deposit Account Name: \_\_\_\_\_

The Director is Authorized to do the following with respect to the above-identified Deposit Account:

Charge fee(s) indicated below.

Credit any overpayments.

Charge any additional fees during the pendency of this application.

Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.

Charge fee(s) indicated below except for the filing fee.

**FEE CALCULATION**

**1. BASIC FILING FEE**

<b>Large Entity</b>	<b>Small Entity</b>	<b>Fee Description</b>	<b>Fee Paid</b>
Fee	Fee	Fee	Fee
Code	(\$)	Code	(\$)
1001	770	2001	385
1002	340	2002	170
1003	530	2003	265
1004	770	2004	385
1005	160	2005	80
		Utility application filing fee	<u>\$770.00</u>
		Design application filing fee	_____
		Plant filing fee	_____
		Reissue filing fee	_____
		Provisional application filing fee	_____

**SUBTOTAL (1)** \$ 770.00

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

	<b>Extra Claims</b>	<b>Fee from below</b>	<b>Fee Paid</b>
Total Claims	<u>23</u>	<u>- 20** = 3</u>	<u>X \$18.00 = \$54.00</u>
Independent Claims	<u>3</u>	<u>- 3** = 0</u>	<u>X \$86.00 = \$0.00</u>
Multiple Dependent			<u>\$290.00 = _____</u>

\*\*Or number previously paid, if greater; For Reissues, see below.

<b>Large Entity</b>	<b>Small Entity</b>	<b>Fee Description</b>
Fee	Fee	Fee
Code	(\$)	Code
1202	18	2202
1201	86	2201
1203	290	2203
1204	86	2204
1205	18	2205
		Claims in excess of 20
		Independent claims in excess of 3
		Multiple d pendent claim, if n t paid
		**Reissu ind p nd nt claims over original patent
		**Reissu claims in xc ss of 20 and ov r original patent

**SUBTOTAL (2)** \$ 54.00

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

<u>Larg Entity</u>	<u>Small Entity</u>	<u>Fee</u>	<u>Fee</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Code	Code	(\$)	(\$)		
1051	2051	130	65	Surcharge - late filing fee or oath	
1052	2052	50	25	Surcharge - late provisional filing fee or cover sheet	
1053	1053	130	130	Non-English specification	
1812	1812	2,520	2,520	For filing a request for ex parte reexamination	
1813	1813	8,800	8,800	Request for inter parties reexamination	
1804	1804	920*	920*	Requesting publication of SIR prior to Examiner action	
1805	1805	1,840*	1,840*	Requesting publication of SIR after Examiner action	
1251	2251	110	55	Extension for reply within first month	
1252	2252	420	210	Extension for reply within second month	
1253	2253	950	475	Extension for reply within third month	
1254	2254	1,480	740	Extension for reply within fourth month	
1255	2255	2,010	1,005	Extension for reply within fifth month	
1401	2401	330	165	Notice of Appeal	
1402	2402	330	165	Filing a brief in support of an appeal	
1403	2403	290	145	Request for oral hearing	
1451	1451	1,510	1,510	Petition to institute a public use proceeding	
1452	2452	110	55	Petition to revive – unavoidable	
1453	2453	1,330	665	Petition to revive - unintentional	
1501	2501	1,330	665	Utility issue fee (or reissue)	
1502	2502	480	240	Design issue fee	
1503	2503	640	320	Plant issue fee	
1460	1460	130	130	Petitions to the Commissioner	
1807	1807	50	50	Processing fee under 37 CFR 1.17(q)	
1806	1806	180	180	Submission of Information Disclosure Stmt	
8021	8021	40	40	Recording each patent assignment per property (times number of properties)	
1809	2809	770	385	For filing a submission after final rejection (see 37 CFR 1.129(a))	
1814	2814	110	55	Statutory Disclaimer	
1810	2810	770	385	For each additional invention to be examined (see 37 CFR 1.129(b))	
1801	2801	770	385	Request for Continued Examination (RCE)	
1802	1802	900	900	Request for expedited examination of a design application	
1504	1504	300	300	Publication fee for early, voluntary, or normal pub.	
1505	1505	300	300	Publication fee for republication	
1803	1803	130	130	Request for voluntary publication or republication	
1808	1808	130	130	Processing fee under 37 CFR 1.17(i) (except provisionals)	
1454	1454	1,330	1,330	Acceptance of unintentionally delayed claim for priority	

Other fee (specify) \_\_\_\_\_

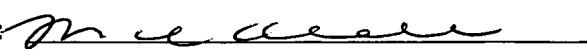
Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$ 0.00**

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY:**

Typed or Printed Name: Michael A. Bernadicou

Signatur:  Dat: 11/10/03

Reg. Number: 35,934 Telephone Number: (408) 720-8300

Send to: Commissioner f r Patents, P.O. B x 1450, Alexandria, VA 22313-1450